

Deputy Oil & Gas Inspector
EPDS PRODUCTION CLOSURE SUMMARY
DEPUTY OIL & GAS INSPECTOR

JUL 17 1998

Wayne Moore Com 1A
Meter/Line ID - 14396

SITE DETAILS

Approved
Legals - Twn: 34 - Rng: 9
NMOCD Hazard Ranking: 40
Operator: Texaco

Sec: 16 Unit: P
Land Type: State

PREVIOUS ACTIVITIES

Site Assessment: 8/30/94
Monitor Well: N/A

Excavation: 9/16/94
Re-Excavation: N/A

Soil Boring: 8/3/95
Geoprobe: N/A

CONCLUSIONS

The initial excavation was excavated to the top of bedrock, which was 5 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 269 ppm at 5 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be below standards at 17.3 mg/kg and TPH was above standards at 3,230 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soil. The soil lithology beneath the excavation consisted of a brown, medium grained sand (sandstone), which continued to the termination of the boring at 10 feet bgs. A soil sample was collected for BTEX and TPH analysis at 8-10 feet bgs. Laboratory analysis showed total BTEX to be below laboratory detection limits and TPH was below standards at 31.8 mg/kg.

RECOMMENDATIONS

No further action is recommended at the site for the following reasons:

- The bulk of the impacted soil was removed during the phase 1 excavation.
- Test boring sample results indicated soils below standards 3 feet beneath the initial excavation.
- The excavation was terminated in bedrock.
- No groundwater was encountered in the test boring.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soils at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

RECEIVED
JUL 19 1998
OIL CON. DIV.
DIST. 3

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 14-396 Location: Wayne Moore Gas Unit, Com 1A
 Operator #: 0263 Operator Name: Texaco P/L District: Aztec
 Coordinates: Letter: P Section 16 Township: 31 Range: 9
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 8/30/94 Area: 04 Run: 41

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD Maps)

Inside
Outside

Land Type:

BLM ☐ (1)
 State ☒ (2)
 Fee ☐ (3)
 Indian _____

☒ (1)
☐ (2)

Depth to Groundwater

Less Than 50 Feet (20 points) ☒ (1)
 50 Ft to 99 Ft (10 points) ☐ (2)
 Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :

Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☒ (1)
 200 Ft to 1000 Ft (10 points) ☐ (2)
 Greater Than 1000 Ft (0 points) ☐ (3)

Name of Surface Water Body Kirk Canyon

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 POINTS

REMARKS

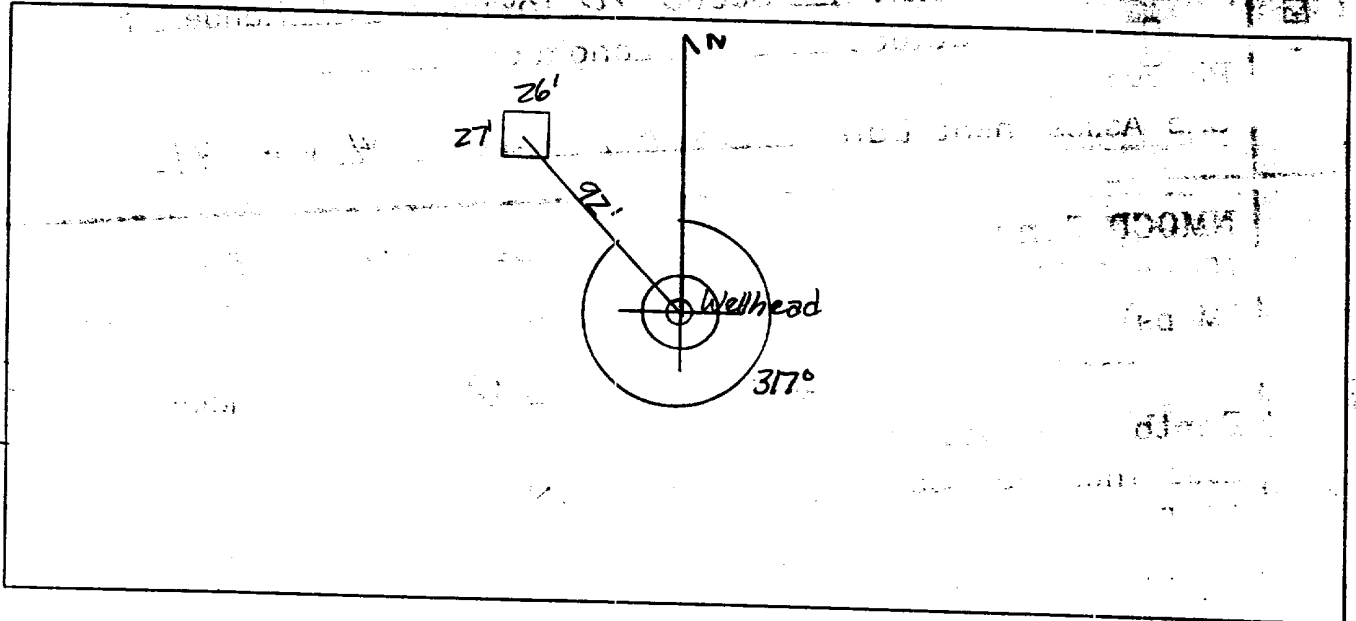
Remarks : Redline Book - Inside Vulnerable Zone Type - Inside
Four pits, location drip pit is dry. Will close one pit.

DIG & HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 317° Footage from Wellhead 92'
b) Length : 27' Width : 26' Depth : 3'



REMARKS

Remarks :

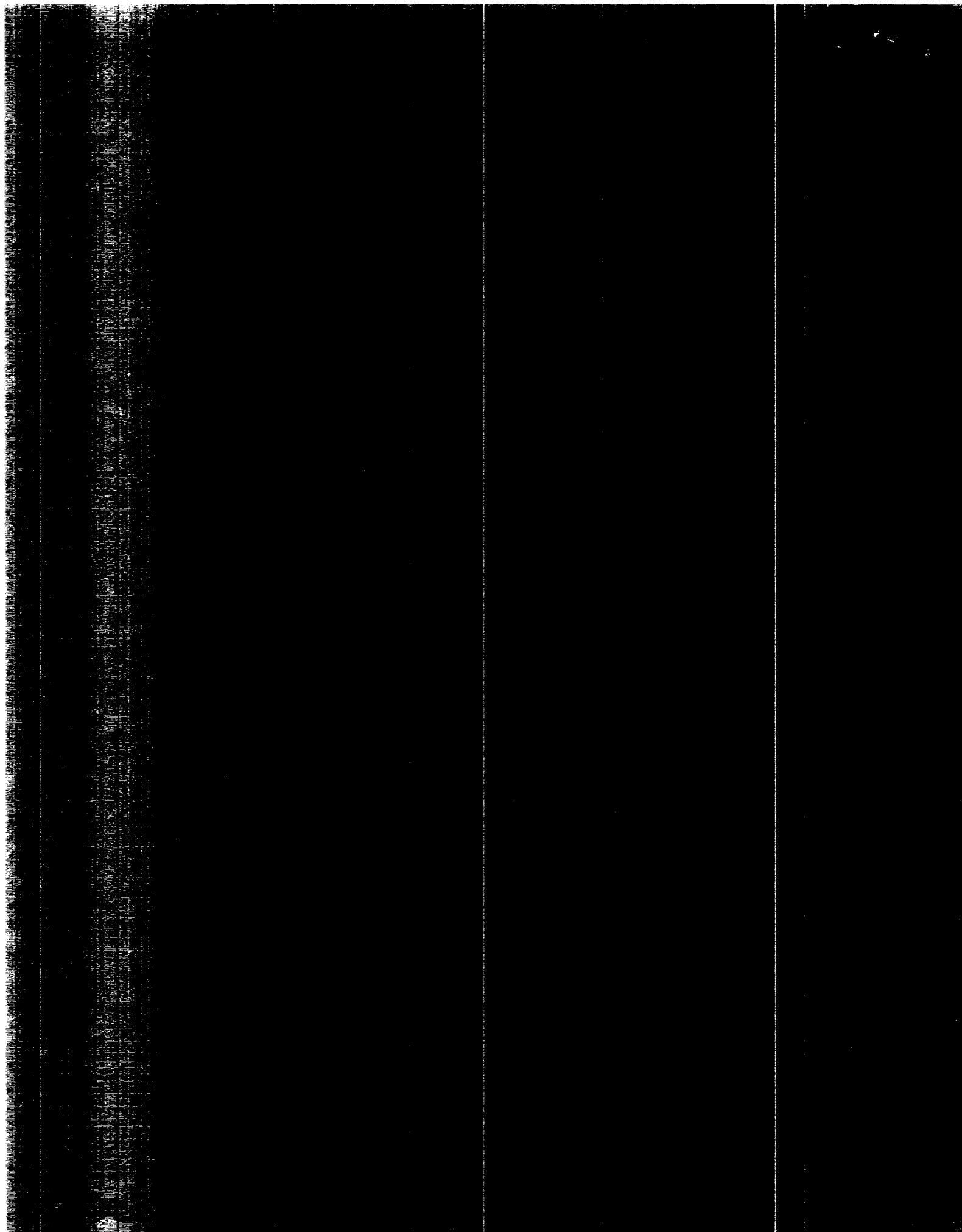
Pictures @ 1422 (13-16, Roll 3)
Dump Truck
Meter number is shown as 93-031 in the Redline Book

Completed By:

Amish Pally
Signature

8/30/94
Date

PHASE I EXCAVATION



FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>14396</u> Location: <u>Wayne Moore Gas Unit Com 1A</u></p> <p>Coordinates: Letter: <u>P</u> Section <u>16</u> Township: <u>31</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9/16-94</u> Run: <u>04</u> <u>41</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP 238</u></p> <p>Sample Depth: <u>5'</u> Feet</p> <p>Final PID Reading <u>269</u> PID Reading Depth <u>5'</u> Feet</p> <p>Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>20</u></p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> <input checked="" type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>9-16-94</u> Pit Closed By: <u>B.E.I</u></p>
REMARKS	<p>Remarks : <u>No Line Markers. Small Pit Started Remediating to 12'. Hit shell at 5'. Closed Pit.</u></p>
	<p>Signature of Specialist: <u>Kelly P. Allen</u></p>

FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 213	946155
MTR CODE SITE NAME:	14 396	N/A
SAMPLE DATE TIME (Hrs):	9-16-2017	1017
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL:	9-20-2017	9-20-2017
DATE OF BTEX EXT. ANAL:	9-22-2017	9-24-2017
TYPE DESCRIPTION:	VC	Light Grey Sand & Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.13	MG/KG	5			
TOLUENE	1.2	MG/KG	5			
ETHYL BENZENE	0.92	MG/KG	5			
TOTAL XYLENES	15	MG/KG	5			
TOTAL BTEX	17.3	MG/KG				
TPH (418.1)	3230	MG/KG			2.17	28
HEADSPACE PID	269	PPM				
PERCENT SOLIDS	89.1	%				

-- TPH is by EPA Method 8160 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 112% for this sample All QA/QC was acceptable.
Narrative:

ATI Results Attached

DF = Dilution Factor Used

Approved By:

Date:

6/22/18

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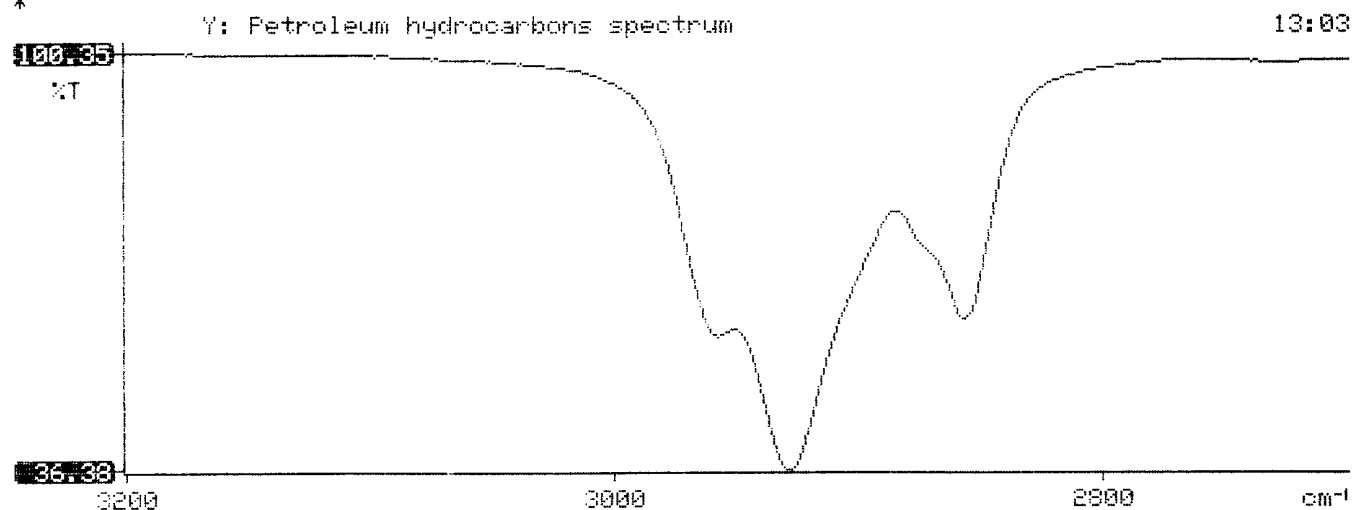
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil       *
*                               *
*      Perkin-Elmer Model 1600 FT-IR                   *
*      Analysis Report    *
*****

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*
* 94/09/20 13:02
*
* Sample identification
* 946155
*
* Initial mass of sample, g
* 2.170
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 3230.624
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.438
*
*
*

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Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **409389**

September 29, 1994

El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **09/21/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure





Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS ATI I.D.: 409389
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	946155	NON-AQ	09/16/94	09/22/94	09/24/94	5
11	946156	NON-AQ	09/16/94	09/22/94	09/24/94	20
12	946157	NON-AQ	09/16/94	09/22/94	09/25/94	20
PARAMETER			UNITS	10	11	12
BENZENE			MG/KG	<0.13	3.6	30
TOLUENE			MG/KG	1.2	120	370 D50
ETHYLBENZENE			MG/KG	0.92	29	51
TOTAL XYLENES			MG/KG	15	410	490 D50

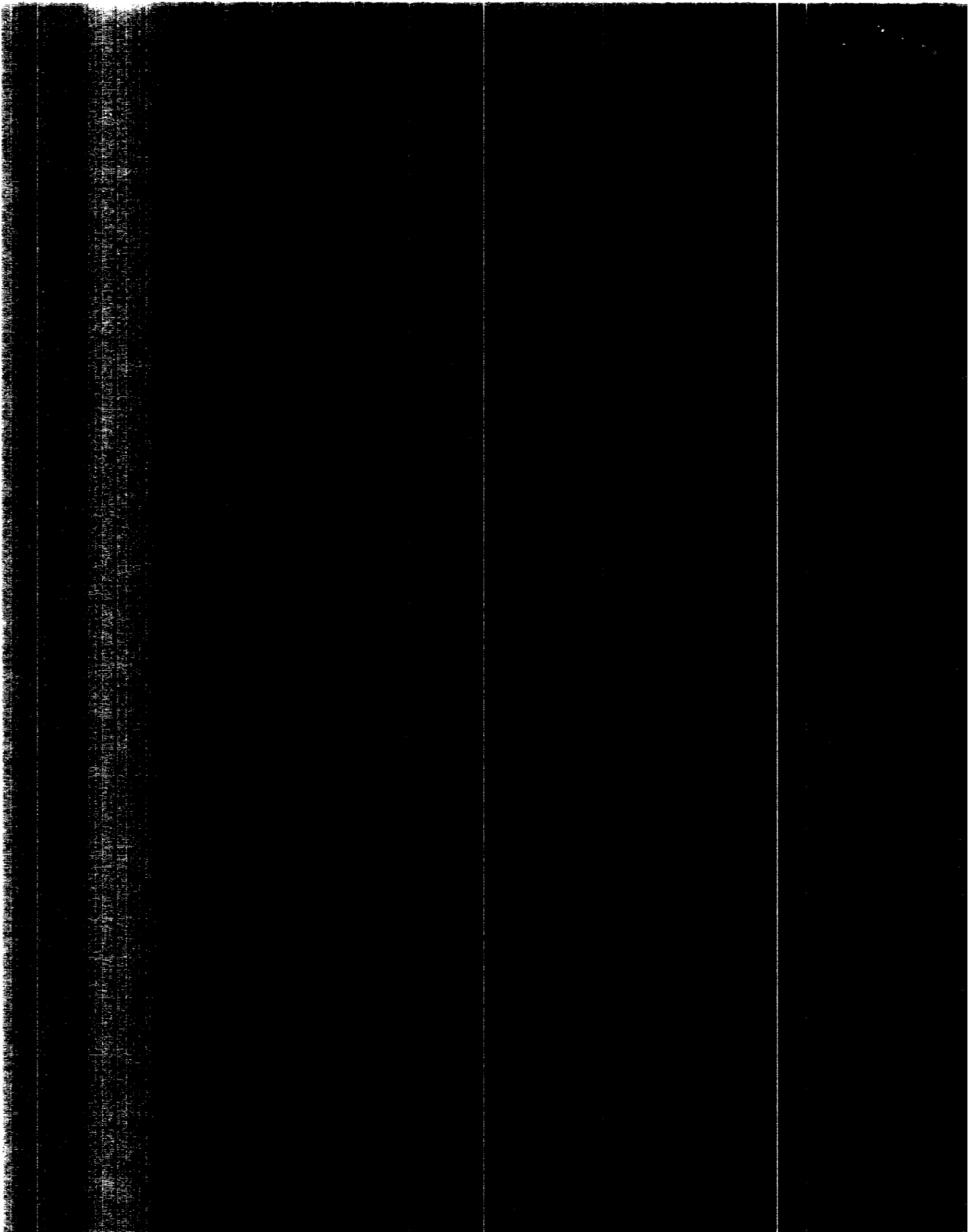
SURROGATE:

BROMOFLUOROBENZENE (%)	112	183*	83
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D50=DILUTED 50X, ANALYZED 09/28/94

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE MATRIX INTERFERENCE

PHASE II



RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH #1

Well #

Page 1 of 1

Project Name EPNG Pits

Project Number 14509 Phase 601 6000

Project Location Wayne Moore Gas Unit, Com 1A H-396

Well Logged By S. Kelly J. Kindley

Personnel On-Site M. Donahue, J. Long, J. O'Keefe

Contractors On-Site

Client Personnel On-Site

Drilling Method 4 1/4" HSA

Air Monitoring Method CGI, PID

Elevation

Borehole Location T31, R9, S16, P

GWL Depth

Logged By S. Kelly J. Kindley

Drilled By M. Donahue

Date/Time Started 08/03/95 0800

Date/Time Completed 08/03/95 0845

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU			Drilling Conditions & Blow Counts
							BZ	BH	S/H	
0				Backfill to 5'						
5										
10	1	8'-10'	.6 T.S	Sand, brown, medium grain, dry						5/2 0815
				Boring terminated at 10'						
15										
20										
25										
30										
35										
40										

Comments: Sample and duplicate collected at 8 to 10 feet. Blank Field trips also collected.
Borehole grouted to surface

Geologist Signature

Jeffery Kindley



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

Phase II Drilling

Wayne Moore Gas Unit, Com 1A

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JWK 1	947146
MTR CODE SITE NAME:	14396	N/A
SAMPLE DATE TIME (Hrs):	08/03/95	08:15
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	8-4-95	8-4-95
DATE OF BTEX EXT. ANAL.:	8-9-95	8-9-95
TYPE DESCRIPTION:	VG	Light brown Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	40.025	MG/KG	1			
TOLUENE	40.025	MG/KG	1			
ETHYL BENZENE	40.025	MG/KG	1			
TOTAL XYLENES	40.025	MG/KG	1			
TOTAL BTEX	40.10	MG/KG				
TPH (418.1)	31.8	MG/KG			2.07	28
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	91.3	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 100 % for this sample All QA/QC was acceptable.

Narrative:

AT 1 Results attached.

DF = Dilution Factor Used

Approved By: [Signature]

Date: 8/22/95

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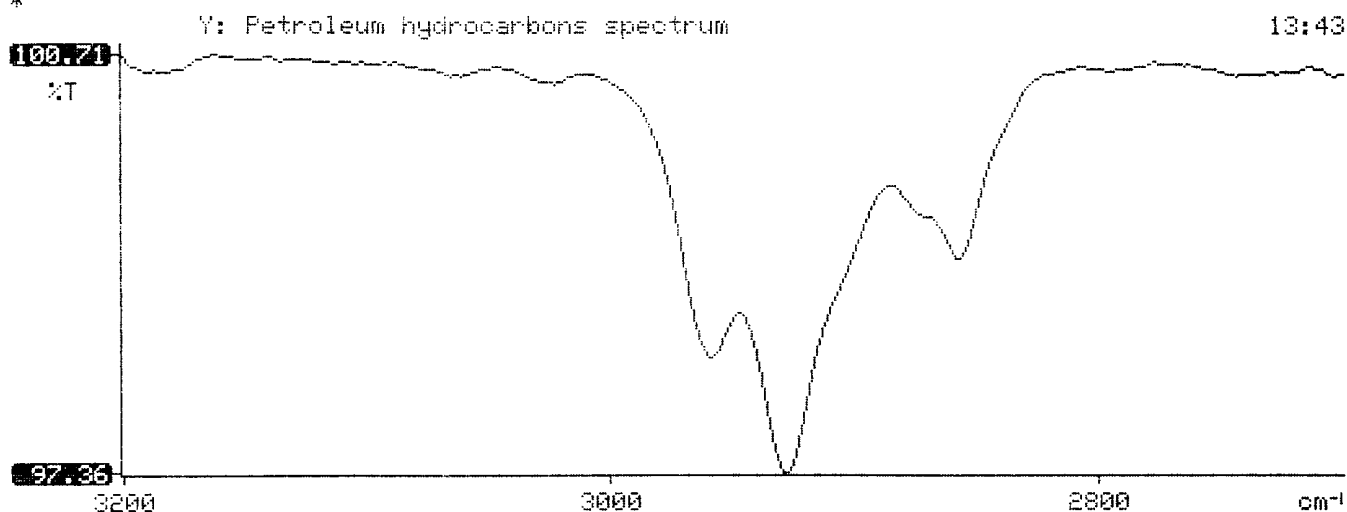
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons *
*      in Water and Soil      *
*                               *
*      Perkin-Elmer Model 1600 FT-IR *
*      Analysis Report        *
*****

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*      95/08/04  13:43
*
*      Sample identification
*      947146
*
*      Initial mass of sample, g
*      2.070
*
*      Volume of sample after extraction, ml
*      28.000
*
*      Petroleum hydrocarbons, ppm
*      31.779
*      Net absorbance of hydrocarbons (2930 cm-1)
*      0.014
*
*
*

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Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 508342

August 11, 1995

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE/PHASE I & II 24324

Attention: John Lambdin

On **08/08/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508342
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE/PHASE I & II

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	947144	NON-AQ	08/03/95	08/09/95	08/09/95	1
08	947145	NON-AQ	08/03/95	08/09/95	08/09/95	1
09	947146	NON-AQ	08/03/95	08/09/95	08/09/95	1
PARAMETER			UNITS	07	08	09
BENZENE			MG/KG	<0.025	<0.025	<0.025
TOLUENE			MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE			MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES			MG/KG	<0.025	<0.025	<0.025
SURROGATE:						
BROMOFLUOROBENZENE (%)				103	106	100



Phase II Drilling

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

MKL # 6
(15-15.75')

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL 32	947107
MTR CODE SITE NAME:	70078	N/A
SAMPLE DATE TIME (Hrs):	07-28-95	14:25
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	7-31-95	7-31-95
DATE OF BTEX EXT. ANAL.:	8-2-95	8-3-95
TYPE DESCRIPTION:	VG	Fine light brown sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	40.025	MG/KG	1			
TOLUENE	40.025	MG/KG	1			
ETHYL BENZENE	40.025	MG/KG	1			
TOTAL XYLENES	40.025	MG/KG	1			
TOTAL BTEX	40.10	MG/KG				
TPH (418.1)	67 66.8	MG/KG			2.03	28
HEADSPACE PID	37	PPM				
PERCENT SOLIDS	96.2	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 103 % for this sample All QA/QC was acceptable.

Narrative:

At 1 Results attached

DF = Dilution Factor Used

Approved By:

Date:

8/22/05

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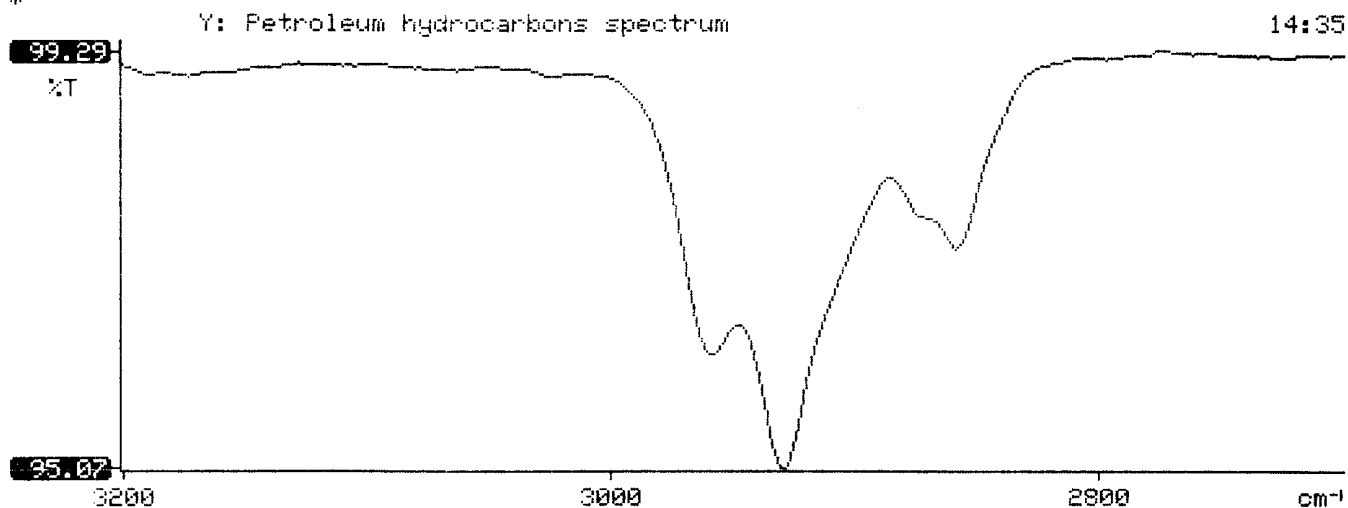
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons *
*      in Water and Soil      *
*                               *
*      Perkin-Elmer Model 1600 FT-IR *
*      Analysis Report        *
*****

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*
* 95/07/31 14:35
*
* Sample identification
* 947107
*
* Initial mass of sample, g
* 2.030
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 66.800
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.019
*
*
*

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2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

August 7, 1995

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE/PHASE I & PHASE II DRILLING
24324

Attention: John Lambdin

On 08/02/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure





GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 508310
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE/PHASE I & II

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	947106	NON-AQ	07/28/95	08/02/95	08/03/95	1
05	947107	NON-AQ	07/28/95	08/02/95	08/03/95	1

PARAMETER	UNITS	04	05
BENZENE	MG/KG	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025
TOTAL XYLENES	MG/KG	<0.025	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%) 99 103